

Abstract

Please add the following abstract:

A plug-in connector for tube and hose lines includes a nozzle with a catch shoulder extending around at least a part of the outer circumference. The catch shoulder is formed by an inclined surface with a slope that increases from the outer circumference and a catch surface following in the insertion direction. A plug may be latched to the catch surface of the nozzle by at least two spaced-apart latching locations and supports a radially-displaceable, essentially U-shaped catch spring having two lateral legs formed as catch legs. Both latching locations of the catch spring can latch reliably and simultaneously, even if the nozzle is inserted into the plug at an angle, by forming the catch spring with at least one additional approximately centered latching location disposed between the plug and the nozzle. The additional latching location is located forward of the two lateral latching locations in the insertion direction.